



**BOILERS, &c.**—(Letter for record ) Total Heating Surface of Boilers ✓

Is Forced Draft fitted ✓ No. and Description of Boilers ✓ Working Pressure ✓

Is a Report on Main Boilers now forwarded? ✓

Is { a Donkey } Boiler fitted? ✓ If so, is a report now forwarded? ✓  
 { an Auxiliary }

Is the donkey boiler intended to be used for domestic purposes only ✓

Plans. Are approved plans forwarded herewith for Shafting ✓ Main Boilers ✓ Auxiliary Boilers ✓ Donkey Boilers ✓  
 (If not state date of approval)

Superheaters ✓ General Pumping Arrangements ✓ Oil Fuel Burning Arrangements ✓

Has the spare gear required by the Rules been supplied *yes. viz* **SPARE GEAR.**

State the principal additional spare gear supplied  
 2 Main Bearing Bushes.  
 One Complete Carbon Ring for Gland.  
 one set of Mitchell Thrust Pads.  
 one set of liners for fore side of Thrust Block.  
 2 Springs for Carbon Rings.  
 one spring for Governor.  
 one relief valve spring.

2 Shud's nuts for bearing Reeps, one stud, one bolt & one fitted bolt (each with nut) for eye hook for  
 R. & W. HAWTHORN, LESLIE & CO. LIMITED  
 Manufact

The foregoing is a correct description,

1937  
 Dates of Survey while building { During progress of work in shops -- } Oct. 1. 6. 22. 28. 29. Nov. 3. 8. 10. 18. 23. Dec. 6. 17. 22. 1938  
 { During erection on board vessel --- } Apr. 12. 29.  
 Total No. of visits 15.

Dates of Examination of principal parts—Casings 6/10/37. Rotors 22/10/37. Blading 22/10/37 & 18/11/37 Gearing ✓

Wheel shaft ✓ Thrust shaft ✓ Intermediate shafts ✓ Tube shaft ✓ Screw shaft ✓

Propeller ✓ Stern tube ✓ Engine and boiler seatings ✓ Engine holding down bolts ✓

Completion of fitting sea connections ✓ Completion of pumping arrangements ✓ Boilers fixed ✓ Engines tried under steam ✓

Main boiler safety valves adjusted ✓ Thickness of adjusting washers ✓

Rotor shaft, Material and tensile strength *S.M. Steel. 57.2 Kgs/mm<sup>2</sup> 30% elong.* Identification Mark 2749.  
*57.8 Kgs/mm<sup>2</sup> 30% elong.*

Flexible Pinion Shaft, Material and tensile strength Identification Mark ✓

Pinion shaft, Material and tensile strength ✓ Identification Mark ✓

1st Reduction Wheel Shaft, Material and tensile strength ✓ Identification Mark ✓

Wheel shaft, Material ✓ Identification Mark ✓ Thrust shaft, Material ✓ Identification Mark ✓

Intermediate shafts, Material ✓ Identification Marks ✓ Tube shaft, Material ✓ Identification Marks ✓

Screw shaft, Material ✓ Identification Marks ✓ Steam Pipes, Material ✓ Test pressure ✓

Date of test ✓ Is an installation fitted for burning oil fuel *yes.*

Is the flash point of the oil to be used over 150°F. ✓ Have the requirements of the Rules for the use of oil as fuel been complied with ✓

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo ✓ If so, have the requirements of the Rules been complied with ✓

If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with ✓

Is this machinery a duplicate of a previous case *yes.* If so, state name of vessel *"ST ROSARIO"*

General Remarks (State quality of workmanship, opinions as to class, &c.) *This LP Turbine has been constructed under Special Survey in accordance with the Rules. The materials and workmanship are good. The Turbine has been satisfactorily tested under steam in the shop, set up & fitted to its S/R Gear and was afterwards despatched to Sunderland for installing on board.*

Certificate (if required) to be sent to Newcastle-on-Tyne. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee ... £	<i>See Receipt for Report for fees.</i>	When applied for, 19...
Special ... £		When received, 19...
Donkey Boiler Fee ... £		
Travelling Expenses (if any) £		

*L. Baskett*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI 22 JUL 1938**

Assigned *Su Sea 32430*

